

## CLAIMS

I claim:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) A personnel safety system, comprising:  
a portable proximity sensor, wherein said proximity sensor is a microwave infrared (MIR) sensor;  
said proximity sensor being self-contained within a portable housing unit and comprising an electrical power source, a signaling device and means for operatively coupling electrical power from the power source to the proximity sensor and to the signaling device;  
said proximity sensor being portably placed near or within a personnel safety zone, said proximity sensor not being mounted to a mobile working machine nor fitted to a person; and said proximity sensor being adapted to alert a person within said safety zone, via said signaling device, of an intrusion into the safety zone.
5. (Cancelled)
6. (Previously presented) The safety system of Claim 4 wherein there is a plurality of proximity sensors.
7. (Previously presented) The safety system of Claim 4 wherein the signaling device is a combination warning light and horn.